

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****COMPLETE IF KNOWN**

Application Number	Not yet assigned
Filing Date	Concurrently
First Inventor	Shinya MATSUDA et al.
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket No.	15162/02820

Sheet **1** of **1****U.S. PATENT DOCUMENTS**

Examiner Initials	Cite #	DOCUMENT NUMBER	C O D E	PATENTEE	ISSUE DATE (mm/dd/yyyy)	CLASS	SUB CLASS	Filing Date if Appropriate
gm		4,613,782		Mori et al.	09/23/1986	310	323	

FOREIGN PATENT DOCUMENTS

Examiner Initials	O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yyyy)	TRANSLATION Yes No

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
gm	"Development of a Small Actuator with Three Degrees of Rotational Freedom (1st Report) - Motion Analysis of the Drive Unit" by Keisuke Sasae et al., Journal of Precision Engineering Institution, Vol. 61, No. 3, pp. 386-390, 1995.
	"Development of a Small Actuator with Three Degrees of Rotational Freedom (2nd Report) - Simulation and Experiment of a Friction Drive" by Keisuke Sasae et al., Journal of Precision Engineering Institution, Vol. 61, No. 4, pp. 532-536, 1995.
	"Development of a Small Actuator with Three Degrees of Rotational Freedom (3rd Report) - Design and Experiment of a Spherical Actuator" by Keisuke Sasae et al., Journal of Precision Engineering Institution, Vol. 62, No. 4, pp. 599-603, 1996.
	Section 2, entitled "Explanation of a Driving Principle and Configuration of an Ultrasonic Linear Actuator", by S. Nagatome et al., <i>Manufacture and Estimation of Thin Ultrasonic Linear Motor</i> , Collection of Lecture of Precision Engineering Institution, p. 544, Spring 1998.
Examiner Signature	Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

JC846 U.S. PTO
09/23/86

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